Remarks

Claims 1-9 were pending in the application. Claims 1-9 were acted upon in the aforesaid Office Action. Claims 1, 6, 7, and 8 have now been amended, claims 2-5 and 9 have now been canceled, and new claims 10 and 11 have now been added, leaving claims 1, 6-8, 10 and 11 under active consideration.

In the outstanding Official Action, the Examiner:

(1) rejected claims 1-2 and 4-6 under 35 USC 103(a) as being unpatentable over Bianco in view of Eberhard, and further in view of Tatebayashi et al.;

(2) rejected claim 3 under 35 USC 103(a) as being unpatentable over Bianco in view of Eberhard, and further in view of Tatebayashi et al. and Veneklase; and

(3) rejected claims 7-9 under 35 USC 103(a) as being unpatentable over Bianco in view of Veneklase, and further in view of "that which is commonly known in the art".

Turning first to independent claim 1, this claim is now directed to the novel authentication method which essentially comprises: (i) providing the identification box at the local site of the user, and providing the central server at the remote site; (ii) validating the identification box (by confirming the identity of the user to the central server, using the

identification box; sending a unique math table from the central
server to the identification box, and storing the same at both
the central server and the identification box; and measuring a
first biometric parameter from the user with the identification
box and storing that first biometric parameter in the encrypted
form at the identification box and at the central server); and
(iii) authenticating the user (by sending a user request for
authentication from the identification box to the central server;
sending a random number from the central server to the
identification box; measuring a second biometric parameter from
the user with the identification box and encrypting the same;
comparing the second encrypted biometric parameter with the
previously-stored first biometric parameter at the identification
box; operating on the random number at the identification box
with the unique math table to create a first cryptogram when a
positive match occurs between the first and second biometric
parameters; operating on the random number at the central server
with the unique math table to create a second cryptogram; sending
the first cryptogram to the central server and comparing the
first cryptogram with the second cryptogram at the central server
so as to determine the authenticity of the user).

The foregoing method of claim 1 is neither disclosed nor rendered obvious by Bianco, Eberhard and/or Tatebayashi et al., whether taken alone or in combination with one another. Bianco teaches a system which uses biometric measurements to authenticate a user, but Bianco does not teach Applicant's unique way of storing various biometric parameters on the various system elements at various times, nor does Bianco teach Applicant's unique approach for incorporating the use of a unique math table and a random number in the dialogue between the identification box and the central server. Fundamentally, Bianco does not teach Applicant's approach for validating the identification box and the data stored thereon, nor does Bianco teach Applicant's unique use of the math table and random number in the authentication exchange.

Eberhard teaches a method for authentication between two electronic devices, but again, fails to teach Applicant's approach for validating the identification box and the data stored thereon, and does not teach Applicant's unique dialogue between the identification box and the central server.

Tatebayashi et al. teaches an authentication system; however, Tatebayashi et al. fail to teach Applicant's validation of the identification box and the data stored thereon, and

Tatebayashi et al. fail to teach Applicant's unique authentication dialogue.

In view of the foregoing, claim 1 (as amended) is believed to be in condition for allowance, and reconsideration thereof is respectfully requested.

Claims 6 and 10 are dependent on independent claim 1 and incorporate all of the limitations thereof, and are therefore believed to be allowable for at least the reasons discussed above with respect to claim 1.

Independent claim 7 is now directed to the novel authentication method which essentially comprises: (i) providing the identification box at the local site of the user, and providing the central server at the remote site; (ii) validating the identification box (by confirming the identity of the user to the central server, using the identification box; sending a unique math table from the central server to the identification box, and storing the same at both the central server and the identification box; and measuring a first biometric parameter from the user with the identification box and storing that first biometric parameter in the encrypted form at the identification box and at the central server); and (iii) authenticating the user (by sending a user request for authentication from the

identification box to the central server; sending a first random number from the central server to the identification box; measuring a second biometric parameter from the user with the identification box and encrypting the same; comparing the second encrypted biometric parameter with the previously-stored first biometric parameter at the identification box; generating a second random number when the first encrypted biometric parameter does not match the second encrypted biometric parameter; operating on the second random number at the identification box with the unique math table to create a first cryptogram when a positive match fails to occur between the first and second biometric parameters; operating on the first random number at the central server with the unique math table to create a second cryptogram; sending the first cryptogram from the identification box to the central server and comparing the first cryptogram with the second cryptogram at the central server so as to determine the authenticity of the user).

The foregoing method of claim 7 is neither disclosed nor rendered obvious by Bianco, Veneklase nor "that which is commonly known in the art", whether taken alone or in combination with one another. Bianco teaches a system which uses biometric measurements to authenticate a user, but Bianco does not teach

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Applicant's unique way of storing various biometric parameters on the various system elements at various times, nor does Bianco teach Applicant's unique approach for incorporating the use of a unique math table and a random number in the dialogue between the identification box and the central server. Fundamentally, Bianco does not teach Applicant's approach for validating the identification box and the data stored thereon, nor does Bianco teach Applicant's unique use of the math table and random number in the authentication exchange.

Veneklase and "that which is commonly known in the art" fail to remedy the aforementioned deficiencies of Bianco.

In view of the foregoing, claim 7 (as amended) is believed to be in condition for allowance, and reconsideration thereof is respectfully requested.

Claim 8 is dependent on independent claim 7 and incorporates all of the limitations thereof, and is therefore believed to be allowable for at least the reasons discussed above with respect to claim 7.

New independent claim 11 is directed to Applicant's new system and, inter alia, recites an identification box which is neither disclosed nor rendered obvious by any of the prior art of record.

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In view of the foregoing, claim 11 is believed to be in condition for allowance, and allowance thereof is respectfully requested.

In summary, claims 1, 6-8, 10 and 11 are believed to be in condition for allowance, and allowance thereof is respectfully requested.

In the event that any additional fees may be required in this matter, please charge the same to Deposit Account No. 16-0221.

Thank you.

Respectfully submitted,

Manfandini 10/21/05

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